Li-Ping Zhang

List of Publications by Year
in descending order

26 papers	150 citations	1478505 6 h-index	1281871 11 g-index
26 all docs	26 docs citations	26 times ranked	81 citing authors

#	Article	IF	Citations
1	New locations of source nodes for method of fundamental solutions solving Laplace's equation; pseudo radial-lines. Engineering Analysis With Boundary Elements, 2022, 136, 93-115.	3.7	1
2	Comparisons of method of fundamental solutions, method of particular solutions and the MFS-QR; stability analysis. Engineering Analysis With Boundary Elements, 2021, 123, 182-199.	3.7	8
3	Neural network for computing GSVD and RSVD. Neurocomputing, 2021, 444, 59-66.	5.9	3
4	Singularity problems from source functions as source nodes located near boundaries; numerical methods and removal techniques. Engineering Analysis With Boundary Elements, 2021, 130, 300-321.	3.7	3
5	Inheritance properties of Krylov subspace methods for continuous-time algebraic Riccati equations. Journal of Computational and Applied Mathematics, 2020, 371, 112685.	2.0	3
6	Small-sample statistical condition estimation of rational Riccati equations. Applied Mathematics Letters, 2020, 103, 106172.	2.7	1
7	Krylov subspace methods for discrete-time algebraic Riccati equations. Applied Numerical Mathematics, 2020, 152, 499-510.	2.1	3
8	Randomized core reduction for discrete ill-posed problem. Journal of Computational and Applied Mathematics, 2020, 375, 112797.	2.0	6
9	The Laplace equation in three dimensions by the method of fundamental solutions and the method of particular solutions. Applied Numerical Mathematics, 2020, 154, 47-69.	2.1	6
10	Super-exponential growth rates of condition number in the boundary knot method for the Helmholtz equation. Applied Mathematics Letters, 2020, 105, 106333.	2.7	5
11	Source nodes on elliptic pseudo-boundaries in the method of fundamental solutions for Laplace's equation; selection of pseudo-boundaries. Journal of Computational and Applied Mathematics, 2020, 377, 112861.	2.0	15
12	The modified method of fundamental solutions for exterior problems of the Helmholtz equation; spurious eigenvalues and their removals. Applied Numerical Mathematics, 2019, 145, 236-260.	2.1	6
13	A flexible symplectic scheme for two-dimensional Schrödinger equation with highly accurate RBFS quasi-interpolation. Filomat, 2019, 33, 5451-5461.	0.5	1
14	Projection methods for rational Riccati equations arising in stochastic optimal control. Annals of Mathematical Sciences and Applications, 2019, 4, 83-105.	0.4	0
15	Symplectic multiquadric quasi-interpolation approximations of KdV equation. Filomat, 2018, 32, 5161-5171.	0.5	1
16	Numerical solution to a linear equation with tensor product structure. Numerical Linear Algebra With Applications, 2017, 24, e2106.	1.6	4
17	Tikhonov Regularization and Randomized GSVD. SIAM Journal on Matrix Analysis and Applications, 2016, 37, 649-675.	1.4	43
18	Interior field methods for Neumann problems of Laplace's equation in elliptic domains, comparisons with degenerate scales. Engineering Analysis With Boundary Elements, 2016, 71, 190-202.	3.7	3

#	Article	IF	Citations
19	Boundary methods for mixed boundary problems of Laplace×³s equation in elliptic domains with elliptic holes. Engineering Analysis With Boundary Elements, 2016, 63, 92-104.	3.7	4
20	Q-less QR decomposition in inner product spaces. Linear Algebra and Its Applications, 2016, 491, 292-316.	0.9	2
21	Boundary methods for Dirichlet problems of Laplace×³s equation in elliptic domains with elliptic holes. Engineering Analysis With Boundary Elements, 2015, 61, 91-103.	3.7	10
22	Homotopy for Rational Riccati Equations Arising in Stochastic Optimal Control. SIAM Journal of Scientific Computing, 2015, 37, B103-B125.	2.8	4
23	Algorithm singularity of the null-field method for Dirichlet problems of Laplace×³s equation in annular and circular domains. Engineering Analysis With Boundary Elements, 2014, 41, 160-172.	3.7	6
24	Cauchy problems of Laplace's equation by the methods of fundamental solutions and particular solutions. Engineering Analysis With Boundary Elements, 2013, 37, 765-780.	3.7	8
25	Stability analysis of the method of fundamental solutions with smooth closed pseudo-boundaries for Laplaceâ€™s equation: better pseudo-boundaries. Numerical Algorithms, 0, , .	1.9	4
26	Spurious eigenvalue-free algorithms of the method of fundamental solutions for solving the Helmholtz equation in bounded multiply connected domains. Numerical Algorithms, 0, , 1.	1.9	0